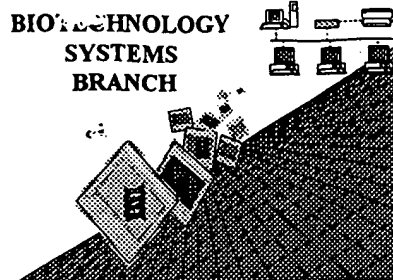


RAW SEQUENCE LISTING **ERROR REPORT**



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/877,705
Source: OIR
Date Processed by STIC: 6/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/877,705

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001
TIME: 18:49:58

Input Set : A:\ES.txt
Output Set: N:\CRF3\06272001\I877705.raw

pp 1-5
Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Li, Jason
5 <120> TITLE OF INVENTION: METHOD FOR SCREENING FOR DRUG CANDIDATES FOR MODULATING
TRANSCRIPTION

6 FACTOR ACTIVITY
8 <130> FILE REFERENCE: 26757-704
10 <140> CURRENT APPLICATION NUMBER: US/09/877,705
10 <141> CURRENT FILING DATE: 2001-06-08
10 <160> NUMBER OF SEQ ID NOS: 162
12 <170> SOFTWARE: PatentIn version 3.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 21
16 <212> TYPE: DNA
17 <213> ORGANISM: Artificial sequence PP01
W--> 19 <220> FEATURE:
W--> 19 <223> OTHER INFORMATION:
19 <400> SEQUENCE: 1
20 cgcttgatga ctcagccgga a
23 <210> SEQ ID NO: 2
24 <211> LENGTH: 21
25 <212> TYPE: DNA
26 <213> ORGANISM: Artificial sequence PP02
W--> 28 <220> FEATURE:
W--> 28 <223> OTHER INFORMATION:
28 <400> SEQUENCE: 2
29 ttccggctga gtcacaaagc g
32 <210> SEQ ID NO: 3
33 <211> LENGTH: 26
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial sequence PP03
W--> 37 <220> FEATURE:
W--> 37 <223> OTHER INFORMATION:
37 <400> SEQUENCE: 3
38 gatcgaactg accgcccgcg gcccg
41 <210> SEQ ID NO: 4
42 <211> LENGTH: 26
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial sequence PP04
W--> 46 <220> FEATURE:
W--> 46 <223> OTHER INFORMATION:
46 <400> SEQUENCE: 4
47 acgggcccgcg ggcgggtcagt tcgac
50 <210> SEQ ID NO: 5
51 <211> LENGTH: 23
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial sequence PP05
W--> 55 <220> FEATURE:
W--> 55 <223> OTHER INFORMATION:
55 <400> SEQUENCE: 5

<220> and <223> are mandatory
wherein <213> response is
Unknown or Artificial Sequence

goes on
<223> line

21

see item 11
on Error
summary
sheet

21

(global
error)

26

26

RAW SEQUENCE LISTING

DATE: 06/27/2001

PATENT APPLICATION: US/09/877,705

TIME: 18:49:58

Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I877705.raw

56 gtctgtgtaca ggggtgttctt ttt 23

59 <210> SEQ ID NO: 6

60 <211> LENGTH: 23

61 <212> TYPE: DNA

62 <213> ORGANISM: Artificial sequence PP06

W--> 64 <220> FEATURE:

W--> 64 <223> OTHER INFORMATION:

64 <400> SEQUENCE: 6

65 aaaaagaaca ccctgtacca gac 23

68 <210> SEQ ID NO: 7

69 <211> LENGTH: 18

70 <212> TYPE: DNA

71 <213> ORGANISM: Artificial sequence PP07

W--> 73 <220> FEATURE:

W--> 73 <223> OTHER INFORMATION:

73 <400> SEQUENCE: 7

74 cacagctcat taacgcgc 18

77 <210> SEQ ID NO: 8

78 <211> LENGTH: 18

79 <212> TYPE: DNA

80 <213> ORGANISM: Artificial sequence PP08

W--> 82 <220> FEATURE:

W--> 82 <223> OTHER INFORMATION:

82 <400> SEQUENCE: 8

83 gcgcgttaat gagctgtg 18

86 <210> SEQ ID NO: 9

87 <211> LENGTH: 20

88 <212> TYPE: DNA

89 <213> ORGANISM: Artificial sequence PP09

W--> 91 <220> FEATURE:

W--> 91 <223> OTHER INFORMATION:

91 <400> SEQUENCE: 9

92 tgcagattgc gcaatctgca 20

95 <210> SEQ ID NO: 10

96 <211> LENGTH: 20

97 <212> TYPE: DNA

98 <213> ORGANISM: Artificial sequence PP10

W--> 100 <220> FEATURE:

W--> 100 <223> OTHER INFORMATION:

100 <400> SEQUENCE: 10

101 tgcagattgc gcaatctgca 20

104 <210> SEQ ID NO: 11

105 <211> LENGTH: 27

106 <212> TYPE: DNA

107 <213> ORGANISM: Artificial sequence PP11

W--> 109 <220> FEATURE:

W--> 109 <223> OTHER INFORMATION:

109 <400> SEQUENCE: 11

110 agaccgtacg tgattggta atctctt 27

same
env



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001

TIME: 18:49:58

Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I877705.raw

113 <210> SEQ ID NO: 12
 114 <211> LENGTH: 27
 115 <212> TYPE: DNA
 116 <213> ORGANISM: Artificial sequence PP12
 W--> 118 <220> FEATURE:
 W--> 118 <223> OTHER INFORMATION:
 118 <400> SEQUENCE: 12
 119 aagagattaa ccaatcacgt acggtct 27
 122 <210> SEQ ID NO: 13
 123 <211> LENGTH: 27
 124 <212> TYPE: DNA
 125 <213> ORGANISM: Artificial sequence PP13
 W--> 127 <220> FEATURE:
 W--> 127 <223> OTHER INFORMATION:
 127 <400> SEQUENCE: 13
 128 acccaatgat tattagccaa tttctga 27
 131 <210> SEQ ID NO: 14
 132 <211> LENGTH: 27
 133 <212> TYPE: DNA
 134 <213> ORGANISM: Artificial sequence PP14
 W--> 136 <220> FEATURE:
 W--> 136 <223> OTHER INFORMATION:
 136 <400> SEQUENCE: 14
 137 tcagaaattg gctaataatc attgggt 27
 140 <210> SEQ ID NO: 15
 141 <211> LENGTH: 25
 142 <212> TYPE: DNA
 143 <213> ORGANISM: Artificial sequence PP15
 W--> 145 <220> FEATURE:
 W--> 145 <223> OTHER INFORMATION:
 145 <400> SEQUENCE: 15
 146 tacaggcata acggttccgt agtga 25
 149 <210> SEQ ID NO: 16
 150 <211> LENGTH: 25
 151 <212> TYPE: DNA
 152 <213> ORGANISM: Artificial sequence PP16
 W--> 154 <220> FEATURE:
 W--> 154 <223> OTHER INFORMATION:
 154 <400> SEQUENCE: 16
 155 tcactacgga accgttatgc ctgta 25
 158 <210> SEQ ID NO: 17
 159 <211> LENGTH: 27
 160 <212> TYPE: DNA
 161 <213> ORGANISM: Artificial sequence PP17
 W--> 163 <220> FEATURE:
 W--> 163 <223> OTHER INFORMATION:
 163 <400> SEQUENCE: 17
 164 agagattgcc tgacgtcaga gagctag 27
 167 <210> SEQ ID NO: 18

same
↓

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001
 TIME: 18:49:58

Input Set : A:\ES.txt
 Output Set: N:\CRF3\06272001\I877705.raw

168 <211> LENGTH: 27
 169 <212> TYPE: DNA
 170 <213> ORGANISM: Artificial sequence PP18
 W--> 172 <220> FEATURE:
 W--> 172 <223> OTHER INFORMATION:
 172 <400> SEQUENCE: 18
 173 ctagctctct gacgtcaggc aatctct 27
 176 <210> SEQ ID NO: 19
 177 <211> LENGTH: 25
 178 <212> TYPE: DNA
 179 <213> ORGANISM: Artificial sequence PP18
 W--> 181 <220> FEATURE:
 W--> 181 <223> OTHER INFORMATION:
 181 <400> SEQUENCE: 19
 182 atttaagttt cgcgcccttt ctcaa 25
 185 <210> SEQ ID NO: 20
 186 <211> LENGTH: 25
 187 <212> TYPE: DNA
 188 <213> ORGANISM: Artificial sequence PP20
 W--> 190 <220> FEATURE:
 W--> 190 <223> OTHER INFORMATION:
 190 <400> SEQUENCE: 20
 191 ttgagaaaagg gcgcgaaact taaat 25
 194 <210> SEQ ID NO: 21
 195 <211> LENGTH: 27
 196 <212> TYPE: DNA
 197 <213> ORGANISM: Artificial sequence PP21
 W--> 199 <220> FEATURE:
 W--> 199 <223> OTHER INFORMATION:
 199 <400> SEQUENCE: 21
 200 ggatccagcg ggggcgagcg ggggccca 27
 203 <210> SEQ ID NO: 22
 204 <211> LENGTH: 27
 205 <212> TYPE: DNA
 206 <213> ORGANISM: Artificial sequence PP22
 W--> 208 <220> FEATURE:
 W--> 208 <223> OTHER INFORMATION:
 208 <400> SEQUENCE: 22
 209 tggccccccgc tcgccccccgc tggatcc 27
 212 <210> SEQ ID NO: 23
 213 <211> LENGTH: 35
 214 <212> TYPE: DNA
 215 <213> ORGANISM: Artificial sequence PP23
 W--> 217 <220> FEATURE:
 W--> 217 <223> OTHER INFORMATION:
 217 <400> SEQUENCE: 23
 218 gtccaaagtc aggtcacagt gacctgatca aagtt 35
 221 <210> SEQ ID NO: 24
 222 <211> LENGTH: 35

same
 ↓

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001
 TIME: 18:49:58

Input Set : A:\ES.txt
 Output Set: N:\CRF3\06272001\I877705.raw

223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial sequence PP24
 W--> 226 <220> FEATURE:
 W--> 226 <223> OTHER INFORMATION:
 226 <400> SEQUENCE: 24
 227 aactttgatc aggtcactgt gacctgactt tggac 35
 230 <210> SEQ ID NO: 25
 231 <211> LENGTH: 31
 232 <212> TYPE: DNA
 233 <213> ORGANISM: Artificial sequence PP25
 W--> 235 <220> FEATURE:
 W--> 235 <223> OTHER INFORMATION:
 235 <400> SEQUENCE: 25
 236 ggaggagggc tgcttgagga agtataagaa t 31
 239 <210> SEQ ID NO: 26
 240 <211> LENGTH: 31
 241 <212> TYPE: DNA
 242 <213> ORGANISM: Artificial sequence PP26
 W--> 244 <220> FEATURE:
 W--> 244 <223> OTHER INFORMATION:
 244 <400> SEQUENCE: 26
 245 attcttatac ttctcaagc agccctctc c 31
 248 <210> SEQ ID NO: 27
 249 <211> LENGTH: 21
 250 <212> TYPE: DNA
 251 <213> ORGANISM: Artificial sequence PP27
 W--> 253 <220> FEATURE:
 W--> 253 <223> OTHER INFORMATION:
 253 <400> SEQUENCE: 27
 254 gatctcgagc aggaagtctg a 21
 257 <210> SEQ ID NO: 28
 258 <211> LENGTH: 21
 259 <212> TYPE: DNA
 260 <213> ORGANISM: Artificial sequence PP28
 W--> 262 <220> FEATURE:
 W--> 262 <223> OTHER INFORMATION:
 262 <400> SEQUENCE: 28
 263 tcgaacttcc tgctcgagat c 21
 266 <210> SEQ ID NO: 29
 267 <211> LENGTH: 21
 268 <212> TYPE: DNA
 269 <213> ORGANISM: Artificial sequence PP29
 W--> 271 <220> FEATURE:
 W--> 271 <223> OTHER INFORMATION:
 271 <400> SEQUENCE: 29
 272 cggattgtgt attggctgta c 21
 275 <210> SEQ ID NO: 30
 276 <211> LENGTH: 21
 277 <212> TYPE: DNA

The types of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001

TIME: 18:49:59

Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I877705.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:19 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:19 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:28 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:28 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:37 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:37 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:46 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:73 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:73 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:82 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:163 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
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L:172 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:181 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:181 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:190 M:258 W: Mandatory Feature missing, <220> FEATURE:
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L:199 M:258 W: Mandatory Feature missing, <220> FEATURE:
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L:208 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:217 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:217 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/877,705

DATE: 06/27/2001

TIME: 18:49:59

Input Set : A:\ES.txt

Output Set: N:\CRF3\06272001\I877705.raw

L:226 M:258 W: Mandatory Feature missing, <220> FEATURE:

L:226 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

L:235 M:258 W: Mandatory Feature missing, <220> FEATURE:

L:235 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: